



## RCS COMBI Split Refrigeration Systems

The RCS COMBI refrigeration system is a complete package comprising a fully dressed air cooled condensing unit housed in a weatherproof enclosure.

The package also includes a ceiling mounted evaporator from the Roller range which includes an expansion valve, liquid line solenoid valve and 240v coil and drain line connection.

To complete the system the package also includes a remote mounted control panel fitted with all the necessary contactors and overloads together with a door interlocking system isolator and digital controller.



The RCS COMBI Split Refrigeration systems have been designed and built in the UK specifically for the ever increasing demand for high specification equipment.

Manufactured in our Suffolk factory by our fully qualified staff under our quality control system in accordance with the Pressure Equipment Regulations (97/23/EC) All equipment is CE marked and Final Test and Inspection Reports and Declarations of Conformity are available on request.

The selection charts shown in the following pages are a guide to enable a system to be applied to a wide range of the more common applications based on Coldroom volume, product to be stored and operating temperature. We must stress that these selection charts are for guidance purposes only as they are based on industry average values, therefore it is recommended that the refrigeration duty should be determined for each specific applications prior to carrying out an installation. In the case of any doubt our technical team will be happy to advise.

For technical advice please contact the RCS order Line on 01449 722274.

### Standard R404A Specification :-



- \* Tecumseh Hermetic Compressor (1ph and 3ph models available)
- \* Weatherproof housing
- \* HP/LP Switch - (auto reset)
- \* Liquid Line Drier & Sight Glass
- \* Liquid receivers are fitted with a fusible plug or pressure relief valves) in accordance with EN378-2-2008
- \* Electrical Unit Isolator for service
- \* Suction & Liquid line stubs terminated outside the unit housing



- \* Evaporator matched to the system condensing unit capacity and application.
  - \* Dual discharge models are standard for preparation rooms - optional high or low air velocity models
  - \* Expansion valve and orifice (supplied loose).
  - \* Liquid line solenoid valve and coil (supplied loose).
- Roller ceiling mounted Angled or Cubic models supplied dependent on application.



- \* Door interlocking System Isolator
- \* Powder coated Metal housing
- \* Door mounted Digital controller and temperature display.
- \* Contactors and overloads sized to match the system equipment.

### Optional additional items:-

Available for all models - contact our technical team for applications advise.

- \* Oil Separator
- \* Acoustic lining for the condensing unit.
- \* Condenser fan speed control

## Storage Temperatures

The refrigeration industry becomes involved in the cooling, storage and preservation of many different food products from fresh vegetables to eggs and from sausages to fresh beef and pork along with numerous products in between, not to mention a whole range of pre-frozen products, all of which must be kept in pristine condition.

The select of the correct storage temperature for any given product is an essential part of the initial design process and the chart below is intended as a guide to the recommended storage temperature band for various common products.

If in any doubt recommended storage conditions for specific products should be confirmed against the current data provided by The Food Safety (Temperature Control) Regulations.

<b>Electric Defrost Systems</b>				
<b>Recommended Coldroom Temperatures</b>				
-25°C to -20°C	-21°C to -18°C	-2°C to 0°C	-1°C to +1°C	0°C to +2°C
Ice Cream	Frozen Chicken	Chilled Beef	Fresh Fish	Fresh Eggs
Frozen Cakes/Doughnuts (finished product)	Frozen Fruit	Fresh Pork	(packed in ice)	Mayonnaise
Frozen Chips	Frozen Ham	Fresh Lamb		Corn-on-the-Cob
Frozen Bread	Frozen Beef	Fresh Chicken		Fresh processed Meats
Frozen Fish	Frozen Pork	Fresh Game		Sausages
	Frozen Lamb	Pre-Packed Fresh Meat		Minced Meat
	Frozen Butter	Pre-Packed Fresh Fish		Cooked Meat/Poultry
	Frozen Margarine	Mushrooms		Smoked Fish
	Frozen Lard/Fats	Nuts (all types)		Fresh Milk
	Frozen Game	Fresh Offal		Fresh Cream
	Frozen Poultry	Yeast (active)		Smoked & Cured Meat
	Frozen Offal	Plants (growing)		Hard and Soft Cheese
	Frozen Sausages			Yoghurt
				Unbaked Dough
				Citrus Fruits
				Bakery Products
				Butter & Fats
COMBI 'IC'	COMBI 'FZ'	COMBI 'FM'	COMBI 'WF'	COMBI 'CF'

## Coldroom Heat Load Design Criteria:

Ambient: Coldroom: 32°C System Refrigerant: R404A  
Air-on to the Condenser: 32°C

Insulation: PR,VG,CH,CF,WF,FM: 75mm polyurathane foam walls and ceiling  
No floor insulation - 50mm screed to earth.  
FZ, IC: 75mm polyurathane foam walls and ceiling  
75mm polyurathane foam floor with aluminium chequer plate

Lighting: All Rooms: An allowance of 100watts/m<sup>2</sup> is included for all rooms

Pipe Sizes: All models: Pipe sizes are based on a horizontal run of 15 metres



## Special Options

The range of COMBI units shown in the following pages form our standard range of equipment utilizing Tecumseh Hermetic compressors. The capacity ratings and system designs are based on average industry values for product loading per cubic metre of room volume, storage temperatures and pull down times together with Coldroom insulation values and condensing noise levels.

Special options are available on request that can incorporate Semi-Hermetic or Scroll compressors to suit individual applications as well as low noise models incorporating low speed condenser fan and acoustic treatment to housings.

Special models are designed against individual customer specification through our technical team on 01449 722274.

Off-Cycle Defrost Systems		
Recommended Coldroom Temperatures		
+2°C to +5°C	+5°C to +8°C	+10°C
Apples & Apricots	Tomatoes	Meat Preparation
Artichokes & Asparagus	Lemons	Bakery Preparation
Aubergines & Avocados	Grapefruit	
Brussel Sprouts	Mangoes	
Cabbage & Chicory	Pumpkin	
Chocolate	Celery	
Carrots & Cauliflower	Cucumber	
Green Bean & Peppers	Pineapples	
Parsnips & Marrow	Salt Pork	
Onions & Leeks	Cut Flowers	
Courgettes & Pod Peas	Cherries	
Peaches & Pears	Melons	
Plums & Grapes	Squash	
Lettuce (all types)	Beer	
Potatoes (seed)	Potatoes (eating)	
Raspberries	Wine	
Strawberries		
COMBI 'CH'	COMBI 'VG'	COMBI 'PR'

### Evaporator Selection:

The evaporator selections shown in the following pages have been based on a cold room having a 'cubic' shape e.g. 3 metres x 3 metres x 2 metres therefore an internal volume of 18 m3.

Consideration must be given to air distribution and air throw dependant on actual coldroom shape together with racking heights inside the room and door positions and the resultant air circulation around the product being stored.

These issues may affect the type of evaporator that is selected; whether a low profile angled model or a cubic style which ever is best suited for the application.

Where two types of evaporator are available from the range the charts in the following pages show the two alternative models assuming the Coldroom layout is capable of operating on a single evaporator system as opposed to a twin evaporator arrangement.

If in any doubt or for application advise on evaporator configuration and equipment selection please contact a member of our technical team on 01449 722274.

### Coldroom Heat Load Design Criteria:

**Product Load:** General (all models): 75kg/m<sup>3</sup> entering per day @ 5°C above room temperature cooling to room temperature in 24hrs.  
PR, VG, CH, CF: Due to the product storage potential of these rooms these equipment selections include refrigeration capacity equivalent to 65kg/m<sup>2</sup> of product respiration load.

**Occupancy:** PR Only: There is no occupancy allowance for any rooms except the 'PR' Preparation Rooms where a standard allowance of 1 person per 4m<sup>2</sup> has been included

**Machinery:** All Rooms: No allowance has been made for any processing machinery therefore particular attention must be paid to 'PR' Preparation Room operation in terms of band saws and vacuum packing equipment as necessary.

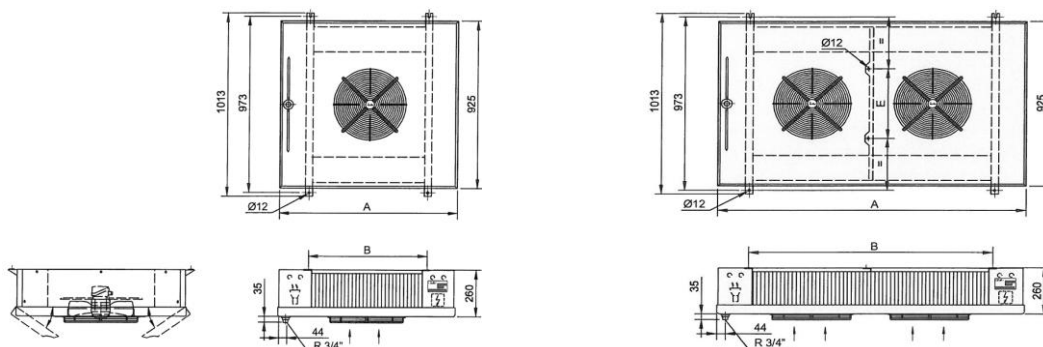
## Food Preparation Rooms +10°C (off-cycle defrost)

System Models	--- PR	Combi 1	Combi 2	Combi 3	Combi 4	Combi 5	Combi 6	Combi 7
<b>Max Coldroom Volume</b>	m <sup>3</sup>	12	20	30	39	44	51	77
<b>Evaporator Models</b>	N	-	-	DHN401N	DHN401N	DHN401N	DHN402N	DHN402N
	L	DHN601L	DHN601L	DHN401L	DHN401L	DHN401L	DHN402L	DHN402L
Air Flow m <sup>3</sup> /hr:	N	-	-	1 x 350	1 x 350	1 x 350	2 x 350	2 x 350
	L	1 x 350	1 x 350	1 x 350	1 x 350	1 x 350	2 x 350	2 x 350
Air Thow metres:	N	-	-	2,030	2,030	2,030	4,060	4,060
	L	1,520	1,520	1,470	1,470	1,470	2,940	2,940
Weight kgs:	N	-	-	2 x 9	2 x 9	2 x 9	2 x 10	2 x 10
	L	2 x 6	2 x 6	2 x 6	2 x 6	2 x 6	2 x 7	2 x 7
Weight kgs:	N/L	33	33	35	35	35	60	60
<b>Condensing Unit (Housed)</b>	Width	540	540	540	540	705	705	705
Dimension mm :	Depth	800	800	800	800	800	800	800
	Height	540	540	540	540	620	620	620
	Weight :	kgs	41	43	48	49	67	77
Sound Pressure @ 10M :	Free Field	39 db(A)	41 db(A)	41 db(A)	41 db(A)	41 db(A)	44 db(A)	44 db(A)
<b>Electrical Data</b>		FLA	FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans:	N	-	-	1 x 0.70	1 x 0.70	1 x 0.70	2 x 0.70	2 x 0.70
	L	1 x 0.33	1 x 0.33	1 x 0.33	1 x 0.33	1 x 0.33	2 x 0.33	2 x 0.33
Compressor:	230/1/50	4.9	7.7	8.6	11.5	11.5	12.5	16.1
	380/1/50	-	-	3.4	4.73	4.73	4.88	6.08
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35	1.35
<b>Refrigeration Line Sizes</b>	Suction	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	7/8"
(based on 15m pipe run)	Liquid	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"

N = 1280rpm - Normal Fan Speed and Air Volume

L = 920rpm - Slow Fan Speed and Air Volume

### DHN Dual Discharge Evaporators



DHN... N/L	Dimensions (mm)				Tube Vol dm <sup>3</sup>
	A	B	C	D	
401 601	963	640	-	-	3.4
402 602	1565	1242	-	-	6.4



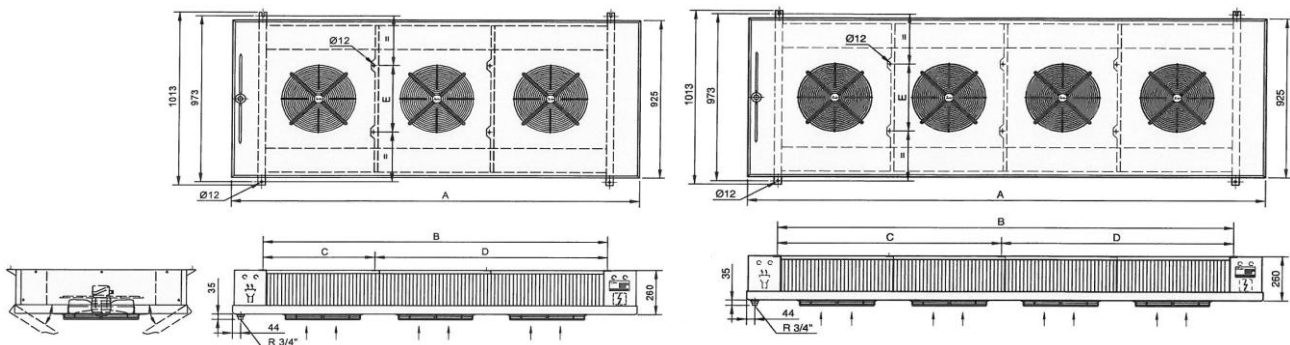
## Food Preparation Rooms +10°C (off-cycle defrost)

Combi 8	Combi 9	Combi 10	Combi 11	Combi 12	Combi 13	Combi 14	Combi 15	Combi 16	Combi 17
86	105	112	133	151	153	183	217	232	243
DHN402N DHN402L	DHN402N DHN402L	DHN402N DHN402L	DHN403N DHN403L	DHN403N DHN403L	DHN403N DHN403L	DHN404N DHN404L	DHN404N DHN404L	2 x DHN402N 2 x DHN402L	2 x DHN402N 2 x DHN402L
2 x 350 2 x 350	2 x 350 2 x 350	2 x 350 2 x 350	3 x 350 3 x 350	3 x 350 3 x 350	3 x 350 3 x 350	4 x 350 4 x 350	4 x 350 4 x 350	4 x 350 4 x 350	4 x 350 4 x 350
4,060 2,940	4,060 2,940	4,060 2,940	6,090 4,410	6,090 4,410	6,090 4,410	8,120 5,880	8,120 5,880	8,120 5,880	8,120 5,880
2 x 10 2 x 7	2 x 10 2 x 7	2 x 10 2 x 7	2 x 11 2 x 8	2 x 11 2 x 8	2 x 11 2 x 8	2 x 12 2 x 9	2 x 12 2 x 9	4 x 10 4 x 7	4 x 10 4 x 7
60	60	60	85	85	85	110	110	2 x 60	2 x 60
940 800 600 88 45 db(A)	940 800 600 91 49 db(A)	1010 800 660 104 50 db(A)	1010 800 660 112 52 db(A)	1010 800 660 114 52 db(A)	1010 800 660 116 52 db(A)	1380 1050 800 142 53 db(A)	1380 1050 800 144 53 db(A)	1380 1050 800 145 53 db(A)	1530 1050 970 214 53 db(A)
FLA 2 x 0.70 2 x 0.33	FLA 2 x 0.70 2 x 0.33	FLA 2 x 0.70 2 x 0.33	FLA 3 x 0.70 3 x 0.33	FLA 3 x 0.70 3 x 0.33	FLA 3 x 0.70 3 x 0.33	FLA 4 x 0.70 4 x 0.33	FLA 4 x 0.70 4 x 0.33	FLA 4 x 0.70 4 x 0.33	FLA 4 x 0.70 4 x 0.33
16.1 6.1	22.1 8.8	22.1 8.8	- 8.3	- 9.4	- 10.1	- 10.1	- 11.3	- 13.3	- 13.3
2 x 0.75 7/8" 1/2"	2 x 0.75 7/8" 1/2"	2 x 1.35 7/8" 1/2"	2 x 1.35 1.1/8" 1/2"	2 x 1.35 1.1/8" 5/8"	2 x 1.35 1.1/8" 5/8"	2 x 1.35 1.1/8" 5/8"	2 x 1.35 1.1/8" 5/8"	2 x 1.35 1.1/8" 5/8"	2 x 3.3 1.1/8" 5/8"

1280rpm - Normal Fan Speed and Air Volume = N

920rpm - Slow Fan Speed and Air Volume = L

DHN Dual Discharge Evaporators

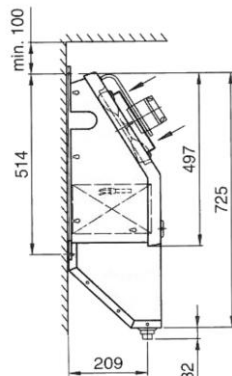
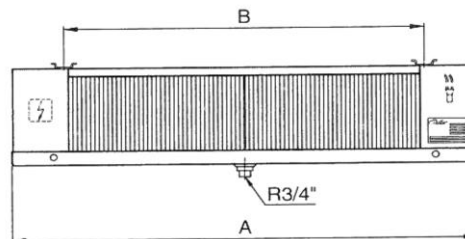
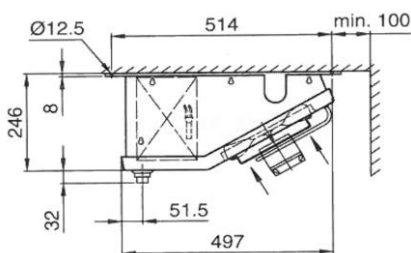


		Dimensions (mm)				Tube Vol
DHN .....	N/L	A	B	C	D	dm <sup>3</sup>
403	603	2167	1844	597	645	9.3
404	604	2769	2446	5987	645	12.3

## Vegetable Storage Rooms +5°C/+8°C (off-cycle defrost)

System Models	--- VG	Combi 1	Combi 2	Combi 3	Combi 4	Combi 5	Combi 6	Combi 7
<b>Max Coldroom Volume</b>	m <sup>3</sup>	14	23	32	40	46	54	68
<b>Evaporator Models</b>	Angled Cubic	DLK412 EC FHV411 EC	DLK432 EC FHV402 EC	DLK432 EC FHV402 EC	- FHV412 EC	- FHV421	- FHV421	- FHV413 EC
Fan dia (mm) & No.	Angled Cubic	2 x 250 EC 1 x 300 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 250 EC	- 2 x 300 EC	- 1 x 450 (3ph)	- 1 x 450 (3ph)	- 3 x 300 EC
Air Flow m <sup>3</sup> /hr:	Angled Cubic	1,480 1,580	1,700 1,920	1,700 1,920	- 3,160	- 4,300	- 4,300	- 4,740
Air Thow metres:	Angled Cubic	7 5	8 6	8 6	- 7	- 15	- 15	- 10
Weight kgs:	Angled Cubic	20 19	25 24	25 24	- 31	- 39	- 39	- 43
<b>Condensing Unit (Housed)</b>	Width	540	540	540	540	705	705	705
Dimension mm :	Depth	800	800	800	800	800	800	800
	Height	540	540	540	540	620	620	620
Weight :	kgs	41	43	48	49	67	77	79
Sound Pressure @ 10M :	Free Field	39 db(A)	41 db(A)	41 db(A)	41 db(A)	41 db(A)	44 db(A)	44 db(A)
<b>Electrical Data</b>		FLA	FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans:	Angled	2 x 0.24	2 x 0.24	2 x 0.24	-	(380-3-50Hz)	(380-3-50Hz)	-
230v-1ph-50Hz:	Cubic	1 x 0.51	2 x 0.24	2 x 0.24	2 x 0.51	1 x 0.74	1 x 0.74	3 x 0.51
Compressor:	230/1/50	4.9	7.7	8.6	11.5	11.5	12.5	16.1
	380/1/50	-	-	3.4	4.73	4.73	4.88	6.08
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35	1.35
<b>Refrigeration Line Sizes</b>	Suction	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	7/8"
(based on 15m pipe run)	Liquid	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"

### DLK Angled Evaporators



DLK Model	Dimensions (mm)		Tube Vol dm <sup>3</sup>
	A	B	
412	1062	822	2.4
432	1462	1222	3.4

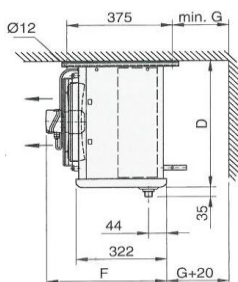
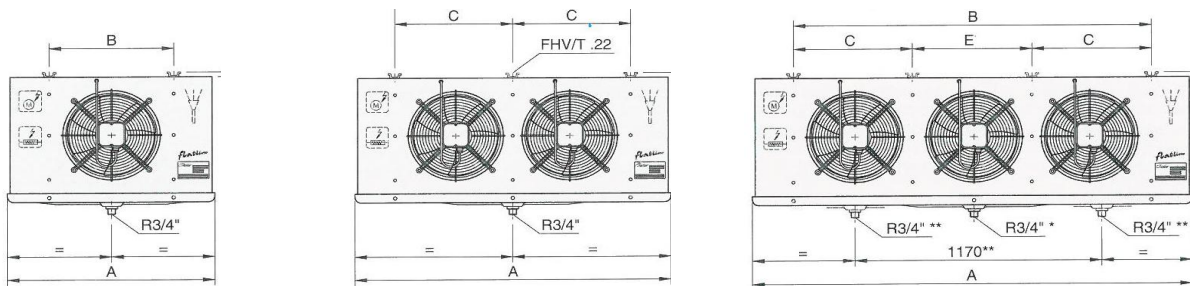


# RCS COMBI Systems

## Vegetable Storage Rooms +5°C/+8°C (off-cycle defrost)

Combi 8	Combi 9	Combi 10	Combi 11	Combi 12	Combi 13	Combi 14	Combi 15	Combi 16	Combi 17
73	93	103	117	128	137	148	177	188	203
-	-	-	-	-	-	-	-	-	-
FHV413 EC	FHV422	FHV422	FHV422	FHV422	FHV623	FHV623	FHV423	FHV423	FHV423
3 x 300 EC	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)	3 x 450 (3ph)	3 x 450 (3ph)	3 x 450 (3ph)	3 x 450 (3ph)	3 x 450 (3ph)
-	-	-	-	-	-	-	-	-	-
4,740	8,600	8,600	8,600	8,600	13,200	13,200	12,900	12,900	12,900
-	-	-	-	-	-	-	-	-	-
10	16	16	16	16	17	17	17	17	17
-	-	-	-	-	-	-	-	-	-
43	78	78	78	78	118	118	118	118	118
940	940	1010	1010	1010	1010	1380	1380	1380	1530
800	800	800	800	800	800	1050	1050	1050	1050
600	600	660	660	660	660	800	800	800	970
88	91	104	112	114	116	142	144	145	214
45 db(A)	49 db(A)	50 db(A)	52 db(A)	52 db(A)	52 db(A)	53 db(A)	53 db(A)	53 db(A)	53 db(A)
FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA
-	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)
3 x 0.51	2 x 0.74	2 x 0.74	2 x 0.74	2 x 0.74	3 x 0.74	3 x 0.74	3 x 0.74	3 x 0.74	3 x 0.74
16.1	22.1	22.1	-	-	-	-	-	-	-
6.1	8.8	8.8	8.3	9.4	10.1	10.1	11.3	13.3	13.3
2 x 0.75	2 x 0.75	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 3.3
7/8"	7/8"	7/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"
1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"

### FHV Cubic Evaporators



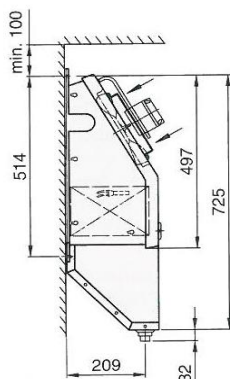
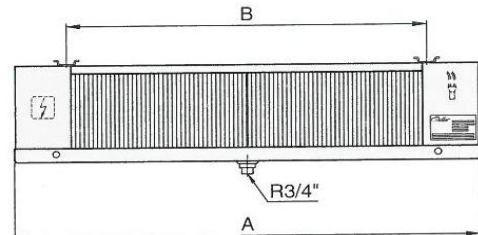
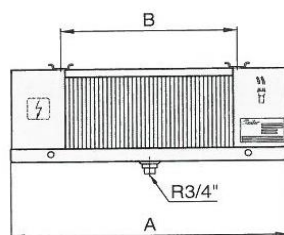
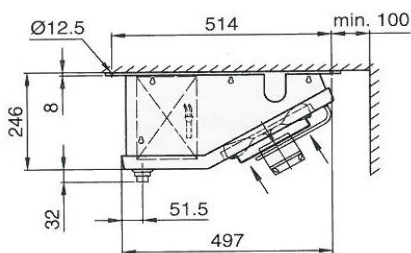
FHV Model	Dimensions (mm)				Tube Vol
	A	B	C	D	dm <sup>3</sup>
411	702	420	-	460	2.4
402	1094	812	-	350	3.2
412	1094	812	-	460	4.3
421	1094	812	-	600	5.5
413	1486	1204	-	460	6.2
422	1878	1596	798	600	10.5
623	2662	2380	798	600	15.5
423	2662	2380	798	600	15.5



## General Purpose Chiller +2°C/+5°C (off-cycle defrost)

System Models	--- CH	Combi 1	Combi 2	Combi 3	Combi 4	Combi 5	Combi 6	Combi 7
<b>Max Coldroom Volume</b>	m <sup>3</sup>	11	19	24	30	34	40	51
<b>Evaporator Models</b>	Angled Cubic	DLK431 EC FHV401 EC	DLK412 EC FHV411 EC	DLK632 EC FHV402 EC	DLK432 EC FHV402 EC	DLK432 EC FHV612 EC	- FHV612 EC	- FHV412 EC
Fan dia (mm) & No.	Angled Cubic	1 x 250 EC 1 x 250 EC	2 x 250 EC 1 x 300 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 300 EC	- 2 x 300 EC	- 2 x 300 EC
Air Flow m3/hr:	Angled Cubic	850 960	1,480 1,580	1,820 1,920	1,700 1,920	1,700 3,260	- 3,260	- 3,160
Air Thow metres:	Angled Cubic	6 4	7 5	8 6	8 6	8 9	- 9	- 7
Weight kgs:	Angled Cubic	14 14	20 31	25 24	- 24	- 31	- 31	- 31
<b>Condensing Unit (Housed)</b>	Width	540	540	540	540	705	705	705
Dimensions mm :	Depth	800	800	800	800	800	800	800
	Height	540	540	540	540	620	620	620
	Weight :	kgs	41	43	48	49	67	77
Sound Pressure @ 10M :	Free Field	39 db(A)	41 db(A)	41 db(A)	41 db(A)	41 db(A)	44 db(A)	44 db(A)
<b>Electrical Data</b>		FLA	FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans: 230v-1ph-50Hz:	Angled	1 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	-	-
	Cubic	1 x 0.24	1 x 0.51	2 x 0.24	2 x 0.24	2 x 0.51	2 x 0.51	2 x 0.51
Compressor:	230/1/50	4.9	7.7	8.6	11.5	11.5	12.5	16.1
	380/1/50	-	-	3.4	4.73	4.73	4.88	6.08
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35	1.35
<b>Refrigeration Line Sizes</b>	Suction	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
(based on 15m pipe run)	Liquid	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"

### DLK Angled Evaporators



DLK Model	Dimensions (mm)		Tube Vol dm <sup>3</sup>
	A	B	
431	860	620	1.9
412	1062	822	2.4
632	1462	1222	3.4
432	1462	1222	3.4



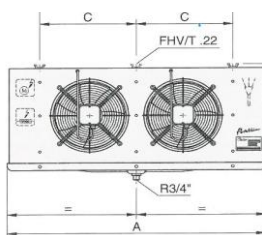
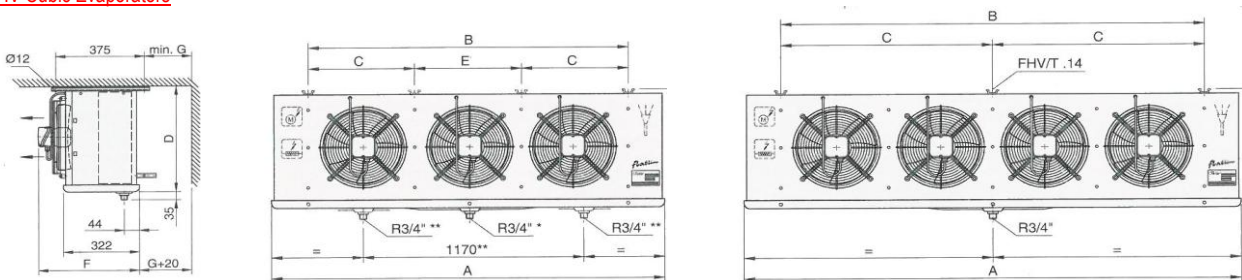


# RCS COMBI Systems

## General Purpose Chiller +2°C/+5°C (off-cycle defrost)

Combi 8	Combi 9	Combi 10	Combi 11	Combi 12	Combi 13	Combi 14	Combi 15	Combi 16	Combi 17
53	65	71	83	96	104	116	127	136	157
-	-	-	-	-	-	-	-	-	-
FHV412 EC	FHV613 EC	FHV613 EC	FHV413 EC	FHV614 EC	FHV614 EC	FHV622	FHV622	FHV622	FHV422
-	-	-	-	-	-	-	-	-	-
2 x 300 EC	3 x 300 EC	3 x 300 EC	3 x 300 EC	4 x 300 EC	4 x 300 EC	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)
-	-	-	-	-	-	-	-	-	-
3,160	4,890	4,890	4,740	6,520	6,520	8,800	8,800	8,800	8,600
-	-	-	-	-	-	-	-	-	-
7	10	10	10	11	11	16	16	16	16
-	-	-	-	-	-	-	-	-	-
31	40	43	43	53	53	71	71	71	78
940	940	1010	1010	1010	1010	1380	1380	1380	1530
800	800	800	800	800	800	1050	1050	1050	1050
600	600	660	660	660	660	800	800	800	970
88	91	104	112	114	116	142	144	145	214
45 db(A)	49 db(A)	50 db(A)	52 db(A)	52 db(A)	52 db(A)	53 db(A)	53 db(A)	53 db(A)	53 db(A)
FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA
-	-	-	-	-	-	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)
2 x 0.51	3 x 0.51	3 x 0.51	3 x 0.51	4 x 0.51	4 x 0.51	2 x 0.74	2 x 0.74	2 x 0.74	2 x 0.74
16.1	22.1	22.1	-	-	-	-	-	-	-
6.1	8.8	8.8	8.3	9.4	10.1	10.1	11.3	13.3	13.3
2 x 0.75	2 x 0.75	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 3.3
3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"
3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"

### FHV Cubic Evaporators

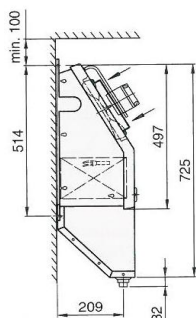
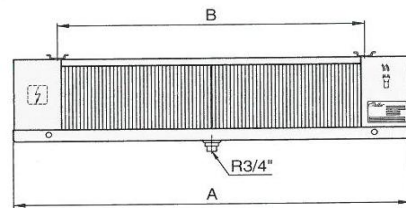
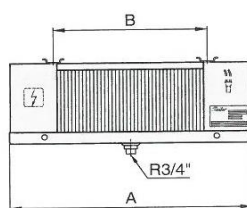
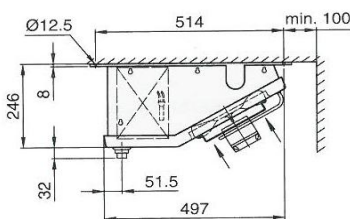


FHV Model	Dimensions (mm)				Tube Vol dm <sup>3</sup>
	A	B	C	D	
412	1094	812	-	460	4.3
613	1486	1204	-	460	6.2
413	1486	1204	-	460	6.2
614	1878	1596	798	460	8.2
622	1878	1596	798	600	10.5
422	1878	1596	798	600	10.5

## Chilled Food +0°C/+2°C (electric defrost)

System Models	--- CF	Combi 1	Combi 2	Combi 3	Combi 4	Combi 5	Combi 6	Combi 7
<b>Max Coldroom Volume</b>	m <sup>3</sup>	10	18	23	29	33	40	52
<b>Evaporator Models</b>	Angled Cubic	DLKT431 EC FHVT401 EC	DLKT412 EC FHVT411 EC	DLKT632 EC FHVT402 EC	DLKT432 EC FHVT402 EC	DLKT432 EC FHVT612 EC	- FHVT612 EC	- FHVT412 EC
Fan dia (mm) & No.	Angled Cubic	1 x 250 EC 1 x 250 EC	2 x 250 EC 1 x 300 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 300 EC	- 2 x 300 EC	- 2 x 300 EC
Air Flow m3/hr:	Angled Cubic	850 960	1,480 1,580	1,820 1,920	1,700 1,920	1,700 3,260	- 3,260	- 3,160
Air Throw metres:	Angled Cubic	6 4	7 5	8 6	8 6	8 9	- 9	- 7
Weight kgs:	Angled Cubic	14 14	20 31	25 24	- 24	- 31	- 31	- 31
<b>Condensing Unit (Housed)</b>	Width	540	540	540	540	705	705	705
Dimension mm :	Depth	800	800	800	800	800	800	800
	Height	540	540	540	540	620	620	620
Weight :	kgs	41	43	48	49	67	77	79
Sound Pressure @ 10M :	Free Field	39 db(A)	41 db(A)	41 db(A)	41 db(A)	41 db(A)	44 db(A)	44 db(A)
<b>Electrical Data</b>		FLA	FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans:	Angled	1 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	-	-
230v-1ph-50Hz:	Cubic	1 x 0.24	1 x 0.51	2 x 0.24	2 x 0.24	2 x 0.51	2 x 0.51	2 x 0.51
Electric Defrost Total:	Angled	1100 watts	1400 watts	2000 watts	2000 watts	2000 watts	-	-
	Cubic	1320 watts	1760 watts	2190 watts	2190 watts	2920 watts	2920 watts	2920 watts
Compressor:	230/1/50	4.9	7.7	8.6	11.5	11.5	12.5	16.1
	380/1/50	-	-	3.4	4.73	4.73	4.88	6.08
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35	1.35
<b>Refrigeration Line Sizes</b>	Suction	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
(based on 15m pipe run)	Liquid	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"

### DLK Angled Evaporators



DLK Model	Dimensions (mm)		Tube Vol dm <sup>3</sup>
	A	B	
431	860	620	1.9
412	1062	822	2.4
632	1462	1222	3.4
432	1462	1222	3.4

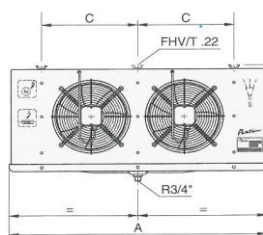
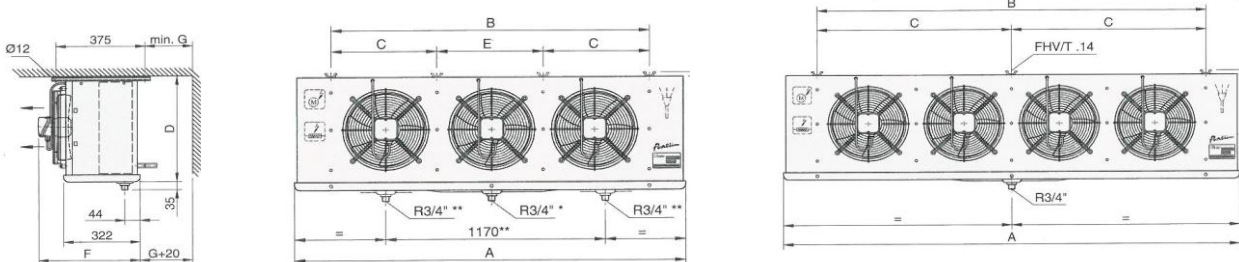


# RCS COMBI Systems

Chilled Food +0°C/+2°C (electric defrost)

Combi 8	Combi 9	Combi 10	Combi 11	Combi 12	Combi 13	Combi 14	Combi 15	Combi 16	Combi 17
54	67	71	75	90	103	115	130	136	156
-	-	-	-	-	-	-	-	-	-
FHVT412 EC	FHVT613 EC	FHVT613 EC	FHVT413 EC	FHVT614 EC	FHVT614 EC	FHVT622	FHVT622	FHVT622	FHVT422
-	-	-	-	-	-	-	-	-	-
2 x 300 EC	3 x 300 EC	3 x 300 EC	3 x 300 EC	4 x 300 EC	4 x 300 EC	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)
-	-	-	-	-	-	-	-	-	-
3,160	4,890	4,890	4,740	6,520	6,520	8,800	8,800	8,800	8,600
-	-	-	-	-	-	-	-	-	-
7	10	10	10	11	11	16	16	16	16
-	-	-	-	-	-	-	-	-	-
31	40	43	43	53	53	71	71	71	78
940	940	1010	1010	1010	1010	1380	1380	1380	1530
800	800	800	800	800	800	1050	1050	1050	1050
600	600	660	660	660	660	800	800	800	970
88	91	104	112	114	116	142	144	145	214
45 db(A)	49 db(A)	50 db(A)	52 db(A)	52 db(A)	52 db(A)	53 db(A)	53 db(A)	53 db(A)	53 db(A)
FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA
-	-	-	-	-	-	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)
2 x 0.51	3 x 0.51	3 x 0.51	3 x 0.51	4 x 0.51	4 x 0.51	2 x 0.74	2 x 0.74	2 x 0.74	2 x 0.74
-	-	-	-	-	-	-	-	-	-
2920 watts	4120 watts	4120 watts	4120 watts	5240 watts	5240 watts	6550 wats	6550 wats	6550 wats	6550 wats
16.1	22.1	22.1	-	-	-	-	-	-	-
6.1	8.8	8.8	8.3	9.4	10.1	10.1	11.3	13.3	13.3
2 x 0.75	2 x 0.75	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 3.3
3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"
3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"

**FHV Cubic Evaporators**

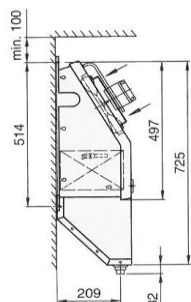
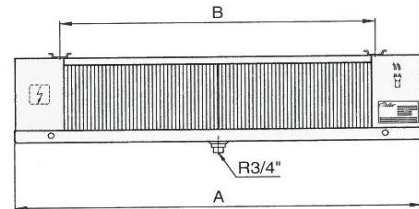
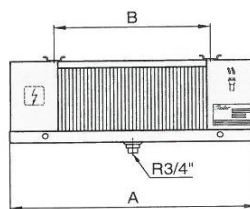
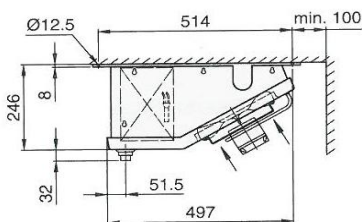


FHV Model	Dimensions (mm)				Tube Vol dm <sup>3</sup>
	A	B	C	D	
412	1094	812	-	460	4.3
613	1486	1204	-	460	6.2
413	1486	1204	-	460	6.2
614	1878	1596	798	460	8.2
622	1878	1596	798	600	10.5
422	1878	1596	798	600	10.5

## Wet Fish Store -1°C/+1°C (electric defrost)

System Models	--- WF	Combi 1	Combi 2	Combi 3	Combi 4	Combi 5	Combi 6	Combi 7
<b>Max Coldroom Volume</b>	m <sup>3</sup>	9	16	21	26	28	35	45
<b>Evaporator Models</b>	Angled Cubic	DLKT431 EC FHVT401 EC	DLKT412 EC FHVT411 EC	DLKT632 EC FHVT402 EC	DLKT432 EC FHVT402 EC	DLKT432 EC FHVT612 EC	- FHVT612 EC	- FHVT412 EC
Fan dia (mm) & No.	Angled Cubic	1 x 250 EC 1 x 250 EC	2 x 250 EC 1 x 300 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 300 EC	- 2 x 300 EC	- 2 x 300 EC
Air Flow m3/hr:	Angled Cubic	850 960	1,480 15,820	1,820 1,920	1,700 1,920	1,700 3,260	- 3,260	- 3,160
Air Thow metres:	Angled Cubic	6 4	7 5	8 6	8 6	8 9	- 9	- 7
Weight kgs:	Angled Cubic	14 14	20 31	25 24	- 24	- 31	- 31	- 31
<b>Condensing Unit (Housed)</b>	Width	540	540	540	540	705	705	705
Dimension mm :	Depth	800	800	800	800	800	800	800
	Height	540	540	540	540	620	620	620
Weight :	kgs	41	43	48	49	67	77	79
Sound Pressure @ 10M :	Free Field	39 db(A)	41 db(A)	41 db(A)	41 db(A)	41 db(A)	44 db(A)	44 db(A)
<b>Electrical Data</b>		FLA	FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans:	Angled	1 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	-	-
230v-1ph-50Hz:	Cubic	1 x 0.24	1 x 0.51	2 x 0.24	2 x 0.24	2 x 0.51	2 x 0.51	2 x 0.51
Electric Defrost Total:	Angled	1100 watts	1400 watts	2000 watts	2000 watts	2000 watts	-	-
	Cubic	1320 watts	1760 watts	2190 watts	2190 watts	2920 watts	2920 watts	2920 watts
Compressor:	230/1/50	4.9	7.7	8.6	11.5	11.5	12.5	16.1
	380/1/50	-	-	3.4	4.73	4.73	4.88	6.08
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35	1.35
<b>Refrigeration Line Sizes</b>	Suction	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
(based on 15m pipe run)	Liquid	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"

### DLK Angled Evaporators



DLK Model	Dimensions (mm)		Tube Vol dm <sup>3</sup>
	A	B	
431	860	620	1.9
412	1062	822	2.4
632	1462	1222	3.4
432	1462	1222	3.4

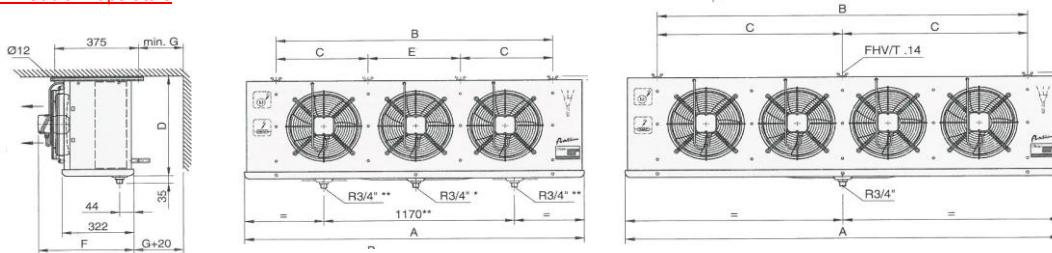


# RCS COMBI Systems

## Wet Fish Store -1°C/+1°C (electric defrost)

Combi 8	Combi 9	Combi 11	Combi 12	Combi 13	Combi 14	Combi 15	Combi 16	Combi 17
47	59	67	78	89	104	118	124	138
-	-	-	-	-	-	-	-	-
FHVT412 EC	FHVT613 EC	FHVT413 EC	FHVT614 EC	FHVT614 EC	FHVT622	FHVT622	FHVT622	FHVT422
-	-	-	-	-	-	-	-	-
2 x 300 EC	3 x 300 EC	3 x 300 EC	4 x 300 EC	4 x 300 EC	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)
-	-	-	-	-	-	-	-	-
3,160	4,890	4,740	6,520	6,520	8,800	8,800	8,800	8,600
-	-	-	-	-	-	-	-	-
7	10	10	11	11	16	16	16	16
-	-	-	-	-	-	-	-	-
31	40	43	53	53	71	71	71	78
940	940	1010	1010	1010	1380	1380	1380	1530
800	800	800	800	800	1050	1050	1050	1050
600	600	660	660	660	800	800	800	970
88	91	112	114	116	142	144	145	214
45 db(A)	49 db(A)	52 db(A)	52 db(A)	52 db(A)	53 db(A)	53 db(A)	53 db(A)	53 db(A)
FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA
-	-	-	-	-	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)
2 x 0.51	3 x 0.51	3 x 0.51	4 x 0.51	4 x 0.51	2 x 0.74	2 x 0.74	2 x 0.74	2 x 0.74
-	-	-	-	-	-	-	-	-
2920 watts	4120 watts	4120 watts	5240 watts	5240 watts	6550 wats	6550 wats	6550 wats	6550 watts
16.1	22.1	-	-	-	-	-	-	-
6.1	8.8	8.3	9.4	10.1	10.1	11.3	13.3	13.3
2 x 0.75	2 x 0.75	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 3.3
3/4"	3/4"	7/8"	7/8"	7/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"
3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"

### FHV Cubic Evaporators

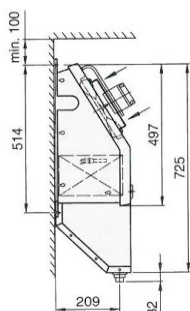
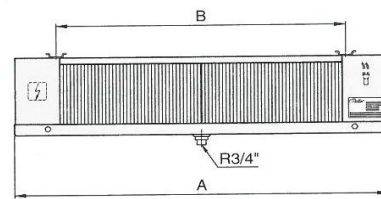
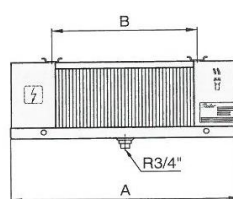
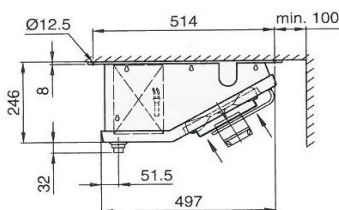


FHV Model	Dimensions (mm)				Tube Vol dm <sup>3</sup>
	A	B	C	D	
412	1094	812	-	460	4.3
613	1486	1204	-	460	6.2
413	1486	1204	-	460	6.2
614	1878	1596	798	460	8.2
622	1878	1596	798	600	10.5
422	1878	1596	798	600	10.5

## Fresh Meat -2°C/0°C (electric defrost)

System Models	--- FM	Combi 1	Combi 2	Combi 3	Combi 4	Combi 5	Combi 6	Combi 7
<b>Max Coldroom Volume</b>	m <sup>3</sup>	9	17	22	27	29	36	46
<b>Evaporator Models</b>	Angled Cubic	DLKT431 EC FHVT401 EC	DLKT412 EC FHVT411 EC	DLKT632 EC FHVT402 EC	DLKT432 EC FHVT402 EC	DLKT432 EC FHVT612 EC	- FHVT612 EC	- FHVT412 EC
Fan dia (mm) & No.	Angled Cubic	1 x 250 EC 1 x 250 EC	2 x 250 EC 1 x 300 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 300 EC	- 2 x 300 EC	- 2 x 300 EC
Air Flow m3/hr:	Angled Cubic	850 960	1,480 1,580	1,820 1,920	1,700 1,920	1,700 3,260	- 3,260	- 3,160
Air Thow metres:	Angled Cubic	6 4	7 5	8 6	8 6	8 9	- 9	- 7
Weight kgs:	Angled Cubic	14 14	20 31	25 24	- 24	- 31	- 31	- 31
<b>Condensing Unit (Housed)</b>	Width	540	540	540	540	705	705	705
Dimension mm :	Depth	800	800	800	800	800	800	800
	Height	540	540	540	540	620	620	620
Weight :	kgs	41	43	48	49	67	77	79
Sound Pressure @ 10M :	Free Field	39 db(A)	41 db(A)	41 db(A)	41 db(A)	41 db(A)	44 db(A)	44 db(A)
<b>Electrical Data</b>		FLA	FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans:	Angled	1 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	-	-
230v-1ph-50Hz:	Cubic	1 x 0.24	1 x 0.51	2 x 0.24	2 x 0.24	2 x 0.51	2 x 0.51	2 x 0.51
Electric Defrost Total:	Angled	1100 watts	1400 watts	2000 watts	2000 watts	2000 watts	-	-
	Cubic	1320 watts	1760 watts	2190 watts	2190 watts	2920 watts	2920 watts	2920 watts
Compressor:	230/1/50	4.9	7.7	8.6	11.5	11.5	12.5	16.1
	380/1/50	-	-	3.4	4.73	4.73	4.88	6.08
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35	1.35
<b>Refrigeration Line Sizes</b>	Suction	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
(based on 15m pipe run)	Liquid	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"

### DLK Angled Evaporators



DLK Model	Dimensions (mm)		Tube Vol dm <sup>3</sup>
	A	B	
431	860	620	1.9
412	1062	822	2.4
632	1462	1222	3.4
432	1462	1222	3.4

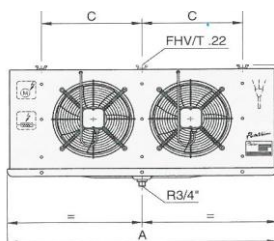
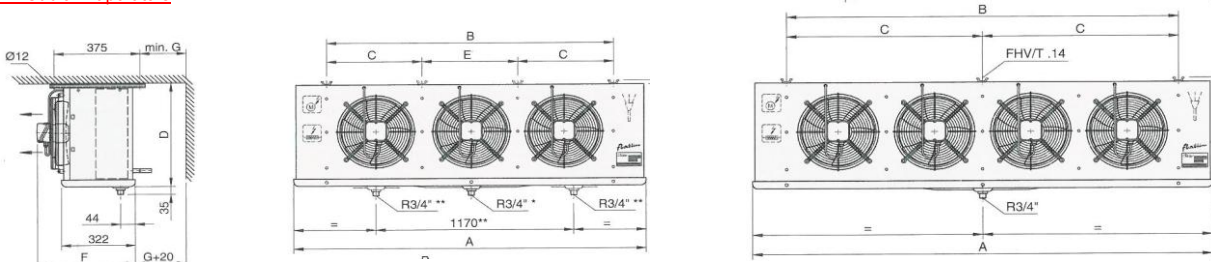


# RCS COMBI Systems

## Fresh Meat -2°C/0°C (electric defrost)

Combi 8	Combi 9	Combi 10	Combi 11	Combi 12	Combi 13	Combi 14	Combi 15	Combi 16	Combi 17
48	61	65	69	81	94	108	122	127	142
-	-	-	-	-	-	-	-	-	-
FHVT412 EC	FHVT613 EC	FHVT613 EC	FHVT413 EC	FHVT614 EC	FHVT614 EC	FHVT622	FHVT622	FHVT622	FHVT422
-	-	-	-	-	-	-	-	-	-
2 x 300 EC	3 x 300 EC	3 x 300 EC	3 x 300 EC	4 x 300 EC	4 x 300 EC	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)	2 x 450 (3ph)
-	-	-	-	-	-	-	-	-	-
3,160	4,890	4,890	4,740	6,520	6,520	8,800	8,800	8,800	8,600
-	-	-	-	-	-	-	-	-	-
7	10	10	10	11	11	16	16	16	16
-	-	-	-	-	-	-	-	-	-
31	40	43	43	53	53	71	71	71	78
940	940	1010	1010	1010	1010	1380	1380	1380	1530
800	800	800	800	800	800	1050	1050	1050	1050
600	600	660	660	660	660	800	800	800	970
88	91	104	112	114	116	142	144	145	214
45 db(A)	49 db(A)	50 db(A)	52 db(A)	52 db(A)	52 db(A)	53 db(A)	53 db(A)	53 db(A)	53 db(A)
FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA	FLA
-	-	-	-	-	-	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)	(380-3-50Hz)
2 x 0.51	3 x 0.51	3 x 0.51	3 x 0.51	4 x 0.51	4 x 0.51	2 x 0.74	2 x 0.74	2 x 0.74	2 x 0.74
-	-	-	-	-	-	-	-	-	-
2920 watts	4120 watts	4120 watts	4120 watts	5240 watts	5240 watts	6550 wats	6550 wats	6550 wats	6550 wats
16.1	22.1	22.1	-	-	-	-	-	-	-
6.1	8.8	8.8	8.3	9.4	10.1	10.1	11.3	13.3	13.3
2 x 0.75	2 x 0.75	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 1.35	2 x 3.3
3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	1.1/8"	1.1/8"	1.1/8"	1.1/8"
3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"

### FHV Cubic Evaporators



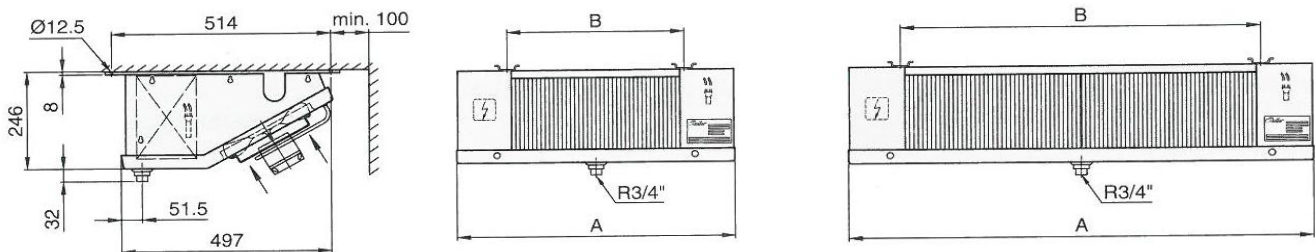
FHV Model	Dimensions (mm)				Tube Vol dm <sup>3</sup>
	A	B	C	D	
412	1094	812	-	460	4.3
613	1486	1204	-	460	6.2
413	1486	1204	-	460	6.2
614	1878	1596	798	460	8.2
622	1878	1596	798	600	10.5
422	1878	1596	798	600	10.5



## Frozen Food -18°C/-21°C (electric defrost)

System Models	--- FZ	Combi 1-LT	Combi 2-LT	Combi 3-LT	Combi 4-LT	Combi 5-LT	Combi 6-LT
<b>Max Coldroom Volume</b>	m <sup>3</sup>	5	8	11	13	15	32
<b>Evaporator Models</b>	Angled Cubic	DLKT631 EC FHVT601 EC	DLKT612 EC FHVT611 EC	DLKT632 EC FHVT602 EC	DLKT632 EC FHVT602 EC	- FHVT612 EC	- FHVT613 EC
Fan dia (mm) & No.	Angled Cubic	1 x 250 EC 1 x 250 EC	2 x 250 EC 1 x 300 EC	2 x 250 EC 2 x 250 EC	2 x 250 EC 2 x 250 EC	- 2 x 300 EC	- 3 x 300 EC
Air Flow m3/hr:	Angled Cubic	910 1,020	1,560 1,630	1,820 2,040	1,820 2,040	- 3,260	- 4,890
Air Thow metres:	Angled Cubic	6 4	7 5	8 6	8 6	8 9	- 10
Weight kgs:	Angled Cubic	14 13	20 18	25 23	25 23	- 30	- 43
<b>Condensing Unit (Housed)</b>	Width	540	540	540	540	705	705
Dimension mm :	Depth	800	800	800	800	800	800
	Height	540	540	540	540	620	620
	Weight :	kgs	43	49	58	59	64
Sound Pressure @ 10M :	Free Field	39 db(A)	39 db(A)	43 db(A)	45 db(A)	45 db(A)	48 db(A)
<b>Electrical Data</b>		FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans:	Angled	1 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	-	-
230v-1ph-50Hz:	Cubic	1 x 0.24	1 x 0.51	2 x 0.24	2 x 0.24	2 x 0.51	3 x 0.51
Electric Defrost Total:	Angled	1100 watts	1400 watts	2000 watts	2000 watts	-	-
	Cubic	1320 watts	1760 watts	2190 watts	2190 watts	2920 watts	4120 watts
Compressor:	230/1/50	5.8	8.3	11.6	15.8	15.8	-
	380/1/50	-	-	4.1	5.4	5.4	7.23
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35
<b>Refrigeration Line Sizes</b>	Suction	1/2"	1/2"	5/8"	5/8"	5/8"	3/4"
(based on 15m pipe run)	Liquid	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"

### DLK Angled Evaporators



Note:-

Wall mounted versions are not available for Freezer Room applications

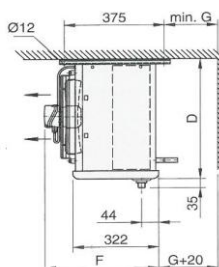
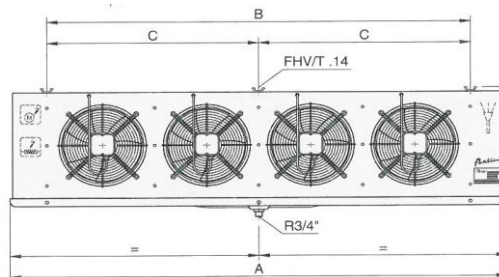
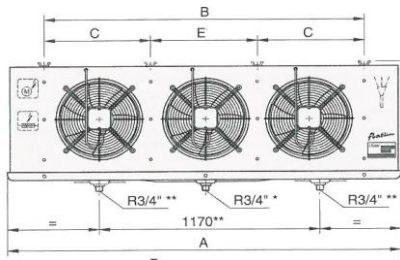
DLK Model	Dimensions (mm)		Tube Vol dm <sup>3</sup>
	A	B	
631	860	620	1.9
612	1062	822	2.4
632	1462	1222	3.4



## Frozen Food -18°C/-21°C (electric defrost)

<u>Combi 7-LT</u>	<u>Combi 8-LT</u>	<u>Combi 9-LT</u>
35	41	49
-	-	-
FHVT613 EC	FHVT613 EC	FHVT614 EC
-	-	-
3 x 300 EC	3 x 300 EC	4 x 300 EC
-	-	-
4,890	4,890	6,520
-	-	-
10	10	11
-	-	-
43	43	56
940	940	1010
800	800	800
600	600	660
101	103	115
48 db(A)	50 db(A)	51 db(A)
FLA	FLA	FLA
-	-	-
3 x 0.51	3 x 0.51	4 x 0.51
-	-	-
4120 watts	4120 watts	5240 watts
-	-	-
7.23	9.3	9.3
2 x 0.75	2 x 0.75	2 x 1.35
3/4"	3/4"	7/8"
3/8"	3/8"	1/2"

### FHV Cubic Evaporators

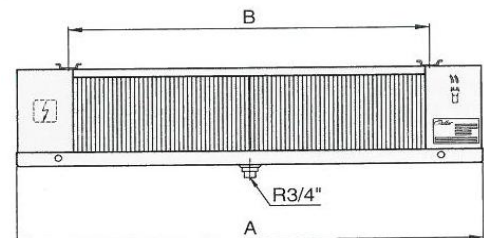
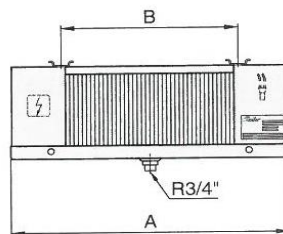
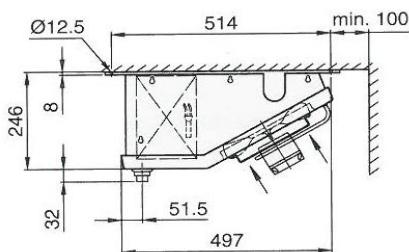


FHV Model	Dimensions (mm)				Tube Vol dm <sup>3</sup>
	A	B	C	D	
613	1486	1204	-	460	6.2
614	1878	1596	798	460	8.2

## Ice Cream -25°C (electric defrost)

System Models	--- IC	Combi 1-LT	Combi 2-LT	Combi 3-LT	Combi 4-LT	Combi 5-LT	Combi 6-LT
<u>Max Coldroom Volume</u>	m <sup>3</sup>	4	5	7	10	12	21
<u>Evaporator Models</u>	Angled Cubic	DLKT631 EC FHVT601 EC	DLKT612 EC FHVT611 EC	DLKT612 EC FHVT611 EC	DLKT632 EC FHVT602 EC	- FHVT602 EC	- FHVT612 EC
Fan dia (mm) & No.	Angled Cubic	1 x 250 EC 1 x 250 EC	2 x 250 EC 1 x 300 EC	2 x 250 EC 1 x 300 EC	2 x 250 EC 2 x 250 EC	- 2 x 250 EC	- 2 x 300 EC
Air Flow m3/hr:	Angled Cubic	910 1,020	1,560 1,630	1,560 1,630	1,820 2,040	- 2,040	- 3,260
Air Thow metres:	Angled Cubic	6 4	7 5	7 5	8 6	- 6	- 9
Weight kgs:	Angled Cubic	14 13	20 18	20 18	25 23	- 23	- 30
<u>Condensing Unit (Housed)</u>	Width	540	540	540	540	705	705
Dimension mm :	Depth	800	800	800	800	800	800
	Height	540	540	540	540	620	620
	Weight :	kgs	43	49	58	59	64
Sound Pressure @ 10M :	Free Field	39 db(A)	39 db(A)	43 db(A)	45 db(A)	45 db(A)	48 db(A)
<u>Electrical Data</u>		FLA	FLA	FLA	FLA	FLA	FLA
Evaporator Fans:	Angled	1 x 0.24	2 x 0.24	2 x 0.24	2 x 0.24	-	-
230v-1ph-50Hz:	Cubic	1 x 0.24	1 x 0.51	1 x 0.51	2 x 0.24	2 x 0.24	2 x 0.51
Electric Defrost Total:	Angled	1100 watts	1400 watts	1400 watts	2000 watts	-	-
	Cubic	1320 watts	1760 watts	2190 watts	2190 watts	2190 watts	2920 watts
Compressor:	230/1/50	5.8	8.3	11.6	15.8	15.8	-
	380/1/50	-	-	4.1	5.4	5.4	7.23
Condenser Fan(s):	230/1/50	0.75	0.75	0.75	0.75	1.35	1.35
<u>Refrigeration Line Sizes</u>	Suction	1/2"	1/2"	1/2"	5/8"	5/8"	3/4"
(based on 15m pipe run)	Liquid	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"

### DLK Angled Evaporators



Note:-

Wall mounted versions are not  
available for Freezer Room applications

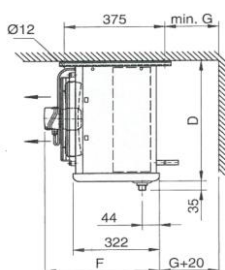
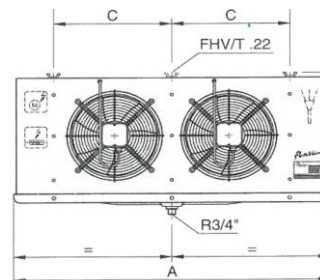
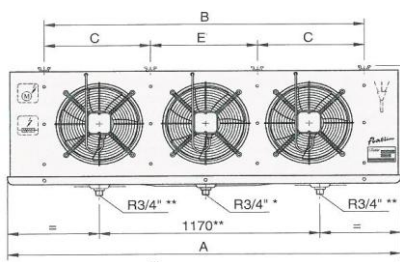
DLK Model	Dimensions (mm)		Tube Vol
	A	B	dm <sup>3</sup>
631	860	620	1.9
612	1062	822	2.4
632	1462	1222	3.4



## Ice Cream -25°C (electric defrost)

<u>Combi 7-LT</u>	<u>Combi 8-LT</u>	<u>Combi 9-LT</u>
22	33	35
-	-	-
FHVT612 EC	FHVT613 EC	FHVT613 EC
-	-	-
2 x 300 EC	3 x 300 EC	3 x 300 EC
-	-	-
3,260	4,890	4,890
-	-	-
9	10	10
-	-	-
30	43	43
940	940	1010
800	800	800
600	600	660
101	103	115
48 db(A)	50 db(A)	51 db(A)
FLA	FLA	FLA
-	-	-
2 x 0.51	3 x 0.51	3 x 0.51
-	-	-
2920 watts	4120 watts	4120 watts
-	-	-
7.23	9.3	9.3
2 x 0.75	2 x 0.75	2 x 1.35
3/4"	3/4"	7/8"
3/8"	3/8"	1/2"

### FHV Cubic Evaporators



FHV Model	Dimensions (mm)				Tube Vol dm <sup>3</sup>
	A	B	C	D	
612	1094	812	-	460	4.3
613	1486	1204	-	460	6.2

